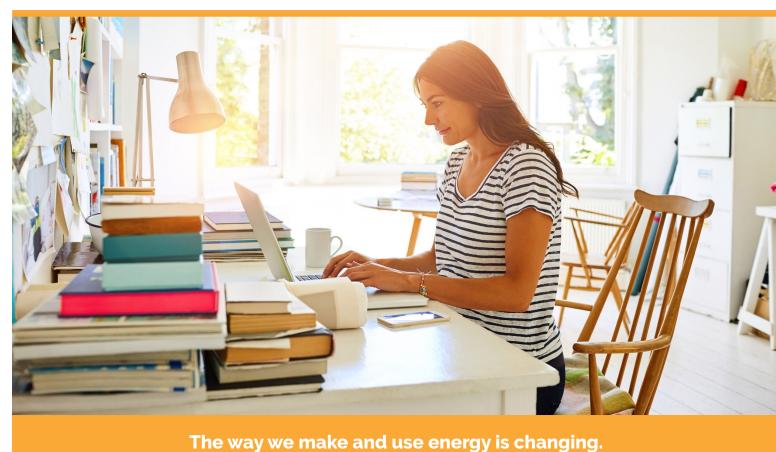
Building Tomorrow's Grid to Power Your Life

A modern digital energy network





A smarter grid is key to unlocking an innovative, sustainable and bright future for New Brunswick.

to the future of energy. To keep pace, NB Power is changing too. As technology advances, we are upgrading the power grid to bring important new benefits to our customers. The grid is becoming smarter, cleaner, more resilient, efficient and flexible so you will have

Customer expectations, climate change and new technologies are causing significant changes

more choices and opportunities for how you use energy to power your life. Read on to learn more!

More energy from renewable, low-carbon and customer-

GENERATION

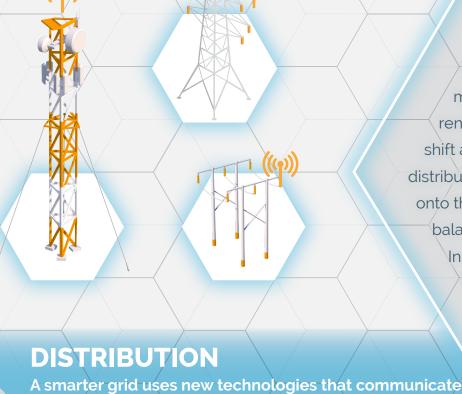
owned sources is part of a smarter grid. They are called distributed energy resources (DERs) and include rooftop solar, battery storage, small wind and solar farms and small biomass facilities. These new energy sources won't be at large centralized power plants; they will be owned by individuals,



TRANSMISSION

by reducing electricity losses that happen when it must travel long distances over transmission lines. With a smarter grid, electricity is still delivered from generators to where it is used, but more efficiently and at a lower cost.

A smarter grid improves energy efficiency



Energy Platform

Digital



onto the grid, they need to be carefully balanced with traditional generation. In a smarter grid, System Operators use a digital energy platform (systems and software) to manage complex energy and communications networks to seamlessly integrate and work together to deliver electricity to you more reliably more renewables. and efficiently. A smarter grid is more resilient and allows us to more easily identify outages so we can respond faster to impacts

shift at nature's whim. As more

distributed energy resources are brought



from wind, ice storms, floods, or other things that affect your power.





Microgrids help distribute electricity and can disconnect

Power created where

power is used

Distributed energy resources

reduce the distance electricity

needs to travel to get to you.

This is more efficient

and saves money.

from the larger grid and function as a self-sufficient electrical island in case there's a power disruption.



HOMES Smart meters enable two-way communication between customers and NB Power, so you have

thermostats, solar, battery storage and electric vehicles that

can give you many new options to power your life.



convenience.

more choice, control and

ORAGE

STORAGE



during a power outage

when you need it most.



resources! Secure and easy access to your energy usage data puts you in control. If you choose, you will be able to share your data with

companies that can help you

stretch your energy dollars.

These are all distributed energy

It offers the ability to integrate more renewable energy sources, reduces winter peak electricity demands, lowers operational costs and carbon emissions. A smarter grid

Everyone will benefit from a modernized grid!

also gives you more information to help you make energy choices!